



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: VIG, Harry

YOUNG, Jonathan

JANKOVICH, Paul A.

Assignee: MagiQ Technologies, Inc.

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Examiner: VAUGHN, Michael R.

Title: Detector autocalibration in QKD Systems

Attorney Docket No. 037-03US1

Mail Stop: Amendment  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING (37 CFR 1.8a)**

I hereby certify that this correspondence is, on the date shown below, being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to:

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The Commissioner for Patents  
PO Box 1450, Alexandria, Virginia,  
22313-1450

  
Joseph E. Gortych

Date: January 22, 2009

**REPLY UNDER 37 CFR § 1.111**

In reply to the First Office Action dated November 04, 2008, Applicants submit the following Amendments and Remarks with respect to the above-identified patent application (the "Application"). Reference is made hereinbelow to Applicants' published patent application, U.S. Pat. Pub. No. 2007/0133799 A1 (hereinafter, the "Published Application").

- **SIDS Documents** are discussed on page 2.
- **Amendments to the Drawings** begin on page 3.
- **Amendments to the Specification** begin on page 4.
- **Amendments to the Claims** begin on page 8.
- **Remarks/Arguments** begin on page 13.

***Supplemental IDS***

A Supplementary Information Disclosure Statement (SIDS) along with the appropriate fee is being filed herewith.

***In the Drawings***

New Figures 3A and 3B have been added to the drawings as sheet 3/4, which is labeled "NEW SHEET."

The previous FIG. 3 is now FIG. 4. Replacement sheets for Figures 1, 2 and 4 are also included herewith, with the only change to these sheets being the updated sheet numbers 1/4, 2/4, and 4/4, respectively, and the change of the previous label "FIG. 3" to the new label "FIG. 4" for sheet 4/4.